

HP Mobility Security IDS/IPS System series



Key features

- Automatic intrusion threat detection and prevention
- Central management of security policies
- Complete reporting and predefined compliance reports
- Roles-based administrative rights
- Appliance and VMware®-ready form factors

Product overview

HP Mobility Security IDS/IPS System Series is comprised of HP RF Manager and MSM415 Security Sensors. HP RF Manager in combination with the MSM415 Sensor detects and prevents wireless threats with automated policy-based security and location-tracking capabilities with full support for all IEEE 802.11 WLAN networks.

The system helps eliminates false positive alerts and uses patented automatic classification and mitigation techniques to block unauthorized wireless traffic without disrupting the performance of authorized wireless devices. The HP MSM415 RF Security Sensor is required to continuously scan IEEE 802.11a/b/g/n networks for wireless threats and enforce their mitigation.

The HP Mobility Security IDS/IPS System prevents multiple threats while scanning for new ones, providing industry-leading wireless protection, and it can be deployed to enforce a no-Wi-Fi policy. It has predefined compliance reports for the Health Insurance Portability and Accountability Act (HIPAA), PCI, the Sarbanes-Oxley Act, the Gramm-Leach-Bliley Act, and Department of Defense (DoD) Directive 1800.2.

Features and benefits

Intrusion detection/prevention system (IDS/IPS)

- Industry-leading threat detection

Protects your organization from emerging threats, including comprehensive IEEE 802.11n rogue APs, Multi-Pot threats, denial-of-service (DoS), and WEP cracking attacks; DoS prevention disrupts malicious behavior and reclaims bandwidth for your authorized APs and clients, keeping your mission critical applications and optimizing efficiency

- 360 degree visibility into wireless traffic

- HP RF Manager enables customers to protect both wired and wireless networks from wireless vulnerabilities

- By continuously scanning the airwaves, RF Manager automatically protects businesses against data leakage through the wireless network

- RF Manager can rapidly and proactively detect and help eliminate threats through accurate and robust automated classification of wireless devices including smartphones and tablets

- Simplified and comprehensive reporting tools

Automated report generation and delivery make complex wireless audits a “hands-off” process

- Scalable from midmarket to large enterprise

- Supports all HP wireless solutions

- Manages up to 600 sensors per HP RF Manager for VMware 50 Sensor E-LTU (J9838AAE).

- Advanced WIPS option

- WLAN performance management summarizes issues with configurable alerts on bandwidth, configuration, RF coverage, and interference status; has customizable controls for severity, display, notification, and real-time alerts of performance events

- Smart Forensics enables two-click drill down for accurate threat detection and analysis, physical location tracking, and audit trails of system and admin actions

- Supported only on HP RF Manager v6.0 and later

Technical features

- Wireless IDS/IPS features

- Accurately auto-classifies APs and client devices using patented auto-classification techniques to block genuine threats

- Automatically prevents denial-of-service attacks and more than 20 threats simultaneously from a single sensor while continuing to scan for threats

- Pinpoints the physical location of vulnerable or threat-posing devices

- Blocks unauthorized traffic without network disruption

- Detects and locates non-Wi-Fi interference and RF jamming

- Protection against rogue IEEE 802.11a/b/g/n access points and wireless networks

Leverages the HP MSM415 RF Security Sensor to provide 24x7 security detection and prevention capabilities for the wireless network

- WEP cracking and impersonation attacks
 - Protect against active WEP cracking and impersonation attacks
- Identification of performance problems
 - Occurs proactively before impact to end users; categorizes the potential source, such as configuration issues (specifically incorrect channel allocation, sub-optimal IEEE 802.11n protocol settings), bandwidth (poor utilization, low average, data rate, excessive overhead), and RF (non-Wi-Fi interference, channel crowding)
- Integration with HP MSM Controller
 - Reduces administration time and effort through automatic synchronizing of authorized APs and clients with MSM controllers
- Central management of security policies
 - Gives administrators the flexibility to customize wireless security policies with site-specific guidelines
- Out-of-the-box and custom reports
 - Emailed hourly, daily, or at custom-defined intervals, these reports help ensure that administrators always have the essential information they need to manage the network effectively
- Automated regulatory compliance reporting
 - Simplifies performing internal and regulatory audits with easy-to-use auditing and reporting tools
 - Predefined reports map wireless vulnerabilities to specific data security compliance standards, such as PCI, Sarbanes-Oxley (SOX), HIPAA, Gramm-Leach-Bliley (GLBA), and DoD Directive 1800.2
 - On-wire or off-wire classification filters neighboring devices from the reports, help eliminate the guesswork and time needed to validate vulnerability scans
- Roles-based administrative rights
 - Provide the proper levels of security and management access over the network and the RF Manager Controller management interface
- Location-based policy management
 - Simplifies the security and administration of a distributed WLAN deployment through granular, customizable policies localized on a site-by-site, region-by-region, or even floor-by-floor basis
- Offline sensor operation
 - Provides full security coverage (detection, classification, and prevention) even when there is no connectivity between the sensor and the RF Manager
 - Raises alerts and events, stores them, and synchronizes them with the RF Manager on reconnection
- Integration with HP RF Planner
 - Allows importing of planning and device placement information from HP RF Planner

Warranty and support

- Limited Lifetime Warranty 2.0

Advance hardware replacement of the HP MSM415 RF Security Sensor with next-business-day delivery (available in most countries). See hp.com/networking/warrantysummary for duration details

- Electronic and telephone support for the HP MSM415 RF Security Sensor

Limited 24x7 telephone support is available from HP for the first three years; limited electronic and business hours telephone support is available from HP for the entire warranty period; to reach our support centers, refer to hp.com/networking/contact-support; for details on the duration of support provided with your product purchase, refer to hp.com/networking/warrantysummary

- Electronic and telephone support for HP RF Manager for VMware 50 Sensor E-LTU

Limited electronic and 24x7 telephone support is available from HP for the entire warranty period; to reach our support centers, refer to hp.com/networking/contact-support; for details on the duration of support provided with your product purchase, refer to hp.com/networking/warrantysummary

- Software releases

Refer to hp.com/networking/support; for details on the software releases available with your product purchase, refer to hp.com/networking/warrantysummary

HP Mobility Security IDS/IPS System Series



HP RF Manager for VMware 50 Sensor E-LTU (J9838AAE) HP MSM415 RF Security Sensor (J9522A)

I/O ports and slots

1 RJ-45 autosensing 10/100/1000 port (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only

1 RJ-45 serial console port

AP characteristics

Radios (built-in)

802.11a/b/g/n

Antenna

Dual-band 2.4/5 GHz omnidirectional antennas

Number of internal antennas

3

Physical characteristics

Dimensions

5.19(w) x 6.16(d) x 1.94(h) in (13.18 x 15.65 x 4.93 cm)

Weight

0.72 lb (0.33 kg) mounting bracket

Mounting and enclosure

Indoor, plenum rated; Includes two mounting clips

Environment

Operating temperature

32°F to 122°F (0°C to 50°C)

Operating relative humidity

5% to 95%, noncondensing

Nonoperating/Storage temperature

-40°F to 158°F (-40°C to 70°C)

Nonoperating/Storage relative humidity

5% to 95%, noncondensing

Electrical characteristics

DC voltage

Powered by PoE

Maximum power rating

8 W

	HP RF Manager for VMware 50 Sensor E-LTU (J9838AAE)	HP MSM415 RF Security Sensor (J9522A)
Safety		UL 2043; UL 60950-1; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1
Emissions		FCC part 15 Class A; EN 55022 Class A; CISPR 22 Class A; ICES-003
Immunity		
Generic		EN 55024
Harmonics		EN 61000-3-2, IEC 61000-3-2
Flicker		EN 61000-3-3, IEC 61000-3-3
RF Exposure		FCC Bulletin OET-65C; RSS-102
Features	Default supported sensors: 50 Maximum supported sensors: 600 (via optional RF Manager 50-sensor upgrade purchases, or J9399AAE)	RF Sensor characteristics <ul style="list-style-type: none"> • Single (IEEE 802.11n/a/b/g), Radio Operation Modes; RF security, Operation Modes; Controlled • IEEE 802.11a/b/g/n • Maximum transmit power varies by country
Notes	HP RF Manager for VMware requires use of the HP MSM415 RF Security Sensor. HP RF Manager for VMware does not include a VMware license.	The HP RF Manager IDS/IPS Controller (J9521A) or RF Manager for VMware (J9838AAE) is required to manage the HP MSM415 RF Security Sensor.
Services	Refer to the HP website at hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.	Refer to the HP website at hp.com/networking/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.

HP Mobility Security IDS/IPS System Series accessories

HP RF Manager for VMware 50 Sensor E-LTU
(J9838AAE)

HP RF Manager Additional 50-Sensor Upgrade E-LTU (J9399AAE)
HP RF Manager Adv Wireless IPS License (J9644A)

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